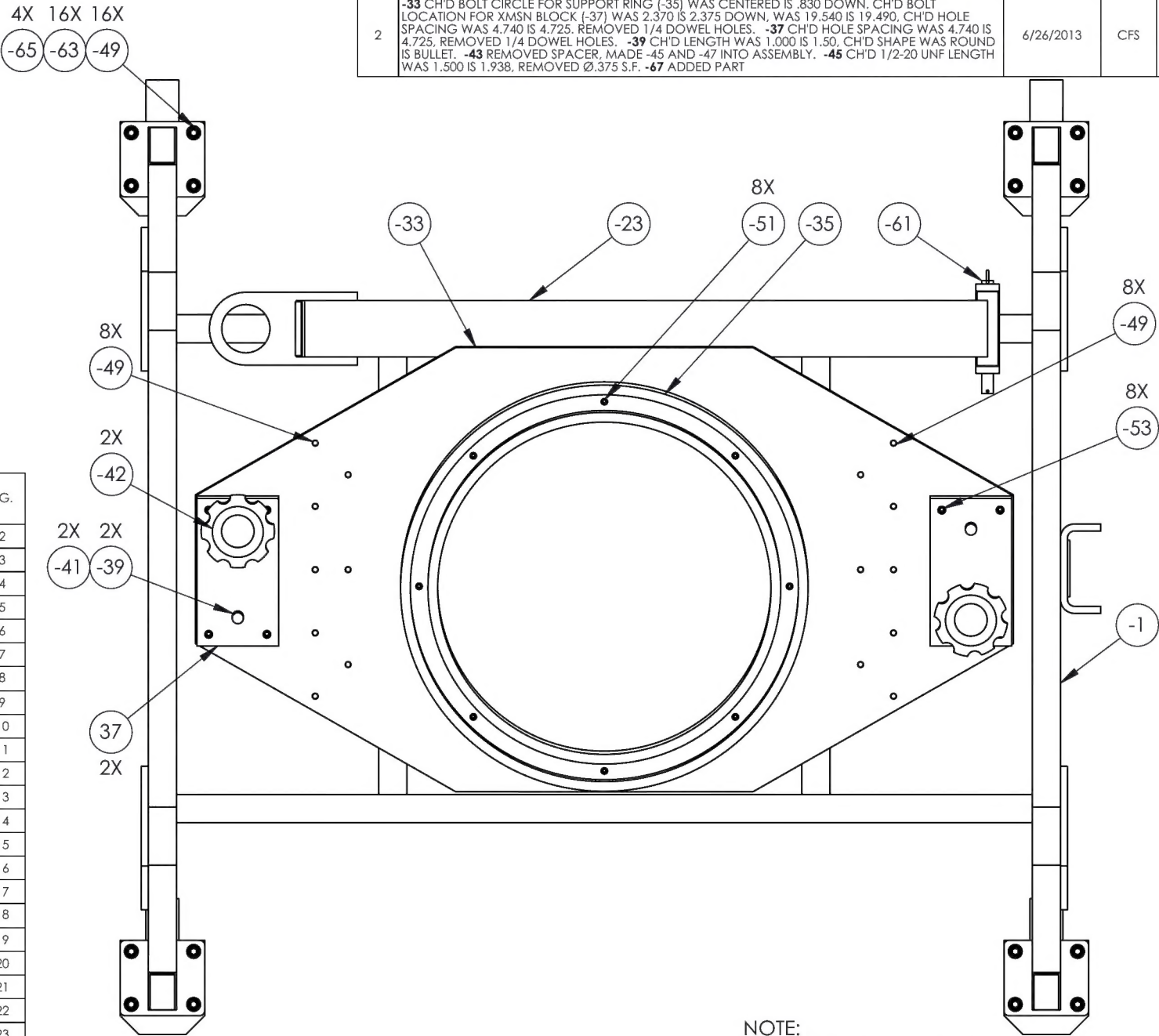


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -15 & -17 MATERIAL FROM 1018, ADDED P/N'S FOR -41 & -45, CH'D -49 QTY FROM 30 & DELETED -57, CH'D -1 FINISH FROM POWDERCOAT, ADDED MISSING DIMENSIONS, ADDED NOTE 1 PER S.E. CH'D WELD CALLOUT FOR -19A & -19B HOLE SIZE FROM Ø.386(X7) TO .390(X8), CH'D -27 DELETED S.F. -25 FROM R.562 THRU, CH'D -33 3/8-16 UND FROM (X14) TO (X16), DELETED .375(X2) CALLOUT PER G.E. CH'D FINISH FROM POWDERCOAT GREEN, CH'D DWG. NUMBER FROM RBW6305G19833 PER R.W.	3/12/2013	RJC	DW
2	-33 CH'D BOLT CIRCLE FOR SUPPORT RING (-35) WAS CENTERED IS .830 DOWN, CH'D BOLT LOCATION FOR XMSN BLOCK (-37) WAS 2.370 IS 2.375 DOWN, WAS 19.540 IS 19.490, CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES, -37 CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES, -39 CH'D LENGTH WAS 1.000 IS 1.50, CH'D SHAPE WAS ROUND IS BULLET, -43 REMOVED SPACER, MADE -45 AND -47 INTO ASSEMBLY, -45 CH'D 1/2-20 UNF LENGTH WAS 1.500 IS 1.938, REMOVED Ø.375 S.F, -67 ADDED PART	6/26/2013	CFS	DW



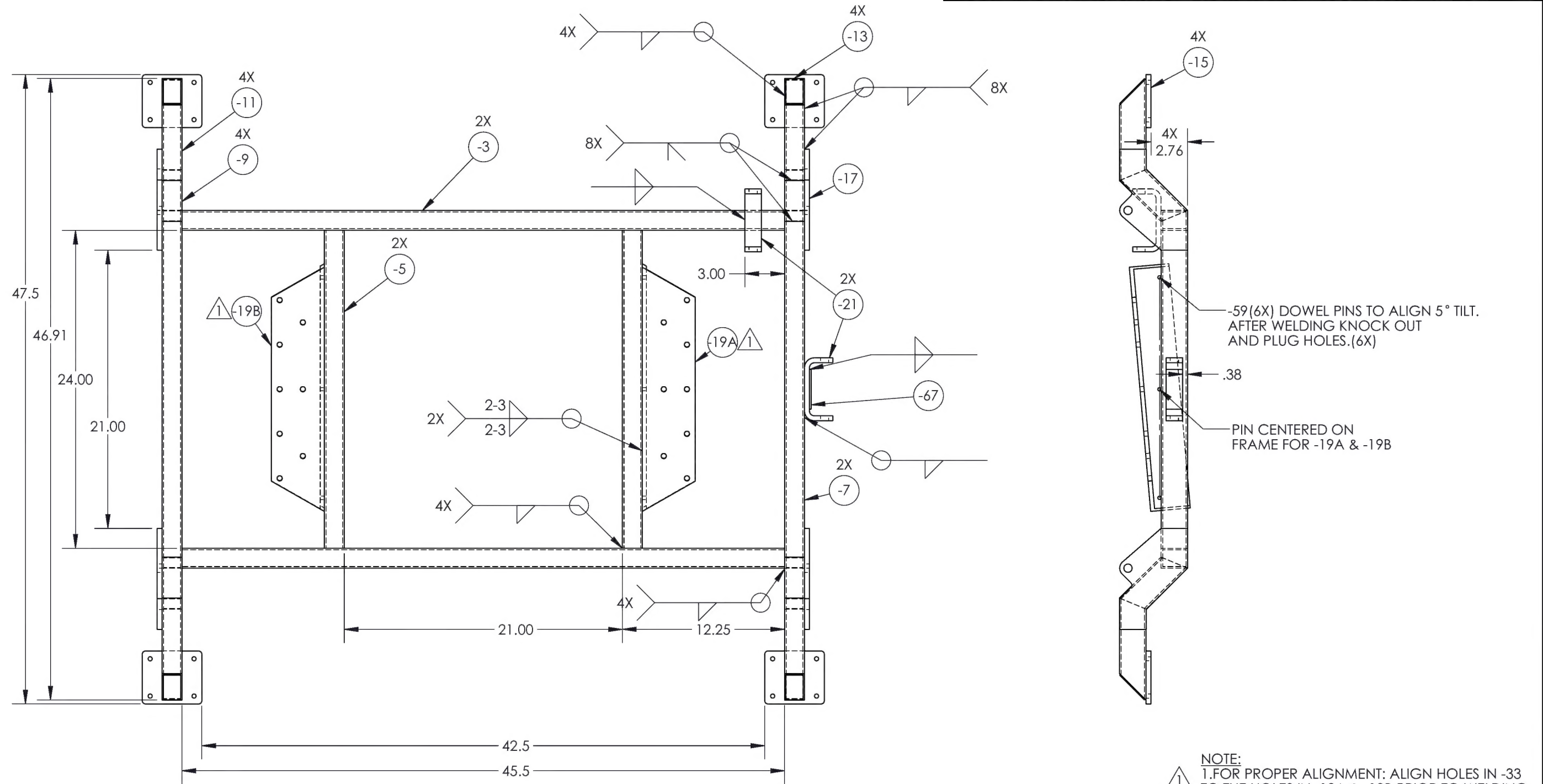
ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		X		-1	1	FRAME WELDMENT			2
		2		-3		SIDE RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 45-1/2	3
		2		-5		CENTER RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 24	4
		2		-7		FRONT & BACK RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 27	5
		4		-9		ANGLED LEG	RECT. TUBE	.120 X 1-1/2 X 2 X 5-1/2	6
		4		-11		HORIZONTAL LEG	RECT. TUBE	.120 X 1-1/2 X 2 X 7-3/4	7
		4		-13		END CAP	C.R. SHEET	14ga. X 1-5/16 X 2-5/8	8
		4		-15		WHEEL PLATE	A36 PLATE	3/8 X 4 X 4-1/2	9
		4		-17		LIFTING BRACE	A36 PLATE	3/8 X 5-1/8 X 7-5/8	10
		1		-19A		FRONT PLATE MOUNT	ANGLE BAR	5/16 X 3 X 4 X 18-1/2	11
		1		-19B		REAR PLATE MOUNT	ANGLE BAR	5/16 X 3 X 4 X 18-1/2	12
		1		-21		TONGUE BRACKET	H.R. FLAT BAR	3/8 X 1-1/4 X 8-1/2	13
	X			-23	1	HANDLE WELDMENT			14
	1			-25		PIVOT	CDS	Ø1-1/8 X 1/4 WALL X 4	15
	1			-27		TONGUE TUBE	RECT. TUBE	3/16 X 1-1/2 X 3 X 37	16
	1			-29		TONGUE PLATE	1018	5/8 X 4 X 8	17
	2			-31		END CAP	C.R. SHEET	14ga. X 7/16 X 2.70	18
				-33	1	TOP PLATE	A-36 PLATE	5/8 X 23-3/4 X 43-1/2	19
				-35	1	SUPPORT RING	DELFIN	2 X 22 X 22	20
				-37	2	XMSN BLOCK	6061 FLAT BAR	1-3/4 X 4-1/2 X 8-1/8	21
				-39	2	PIN NOSE	DELFIN	Ø5/8 X 1-1/8	22
				-41	2	PIN ALL THREAD	STEEL	1/2-20 UNF X 2-3/8 MCMaster-CARR #98957A809	23
X				-42	2	KNOB ASSEMBLY			24
1				-43		HANDLE SPACER	DELFIN	Ø5/8 X 7/8	25
1				-45		HANDLE ALL THREAD	PLAIN STEEL	1/2-20 UNF X 3-1/8 MCMaster-CARR #98957A809	26
1				-47		KNOB	PHENOLIC	REID #KHN-45(MODIFIED)	27
			B/O	-49	32	SOCKET HEAD CAP SCREW	STEEL	3/8-16 UNC X 7/8 MCMaster-CARR #90128A623	1
			B/O	-51	8	SOCKET HEAD CAP SCREW	STEEL	#10-32 UNC X 1-1/4 MCMaster-CARR #90128A948	1
			B/O	-53	8	SOCKET HEAD CAP SCREW	STEEL	1/4-20 UNC X 1-1/2 MCMaster-CARR #90128A251	1
			B/O	-59	6	DOWEL PIN	STEEL	Ø1/4 X 3/4 MCMaster-CARR #98381A540	2
			B/O	-61	1	HITCH PIN	STEEL	Ø5/8 X 5-3/4 MCMaster-CARR #98497A663	1
			B/O	-63	16	FLAT WASHER	STEEL	Ø3/8 MCMaster-CARR #94744A265	1
			B/O	-65	4	LOCKING WHEELS		Ø6 in. APPLIED(BASSICK #CAS60156YZ200A81 BG SL)	1
				-67		STOP	1018	1/8 X 3 X 1-1/4	28
ASSY -42	ASSY -23	ASSY -1							

NOTE:  
REF AGUSTA T/N: 3G6305G19833.

RED BARN MACHINE		
TITLE AW139 MAIN GEARBOX TROLLEY		
DWG NO. RBW6305G19833-3G		REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: PERRITT APPROVED D Weil HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW139
SCALE 1:8	DATE 6/21/2013	SHEET 1 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -1 FINISH FROM POWDER COAT. ADDED MISSING DIMENSIONS, ADDED NOTE 1 PER S.E. CH'D WELD CALLOUT FOR -19A & B TO -5 PER D.W.	6/24/2013	RJC	DW

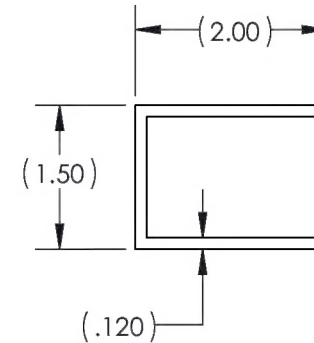
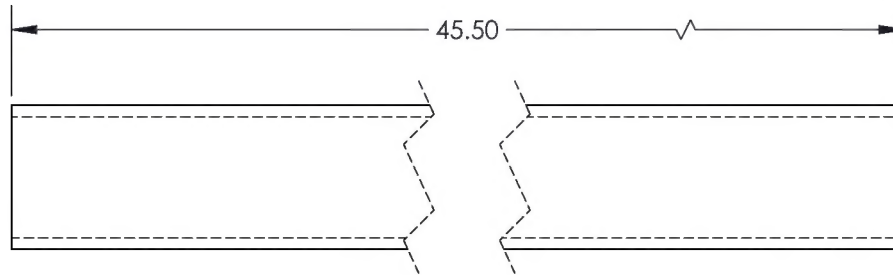
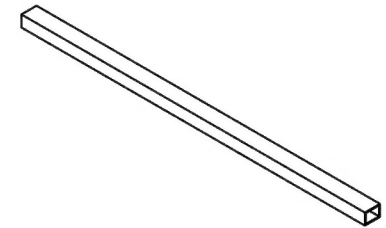


(-1)  
FRAME WELDMENT

RED BARN MACHINE			
TITLE AW139 MAIN GEARBOX TROLLEY			
DWG NO. RBW6305G19833-3G-1			REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1		DRAWN BY: PERRITT APPROVED: <i>D. Weil</i> HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW139	
SCALE 1:8	DATE 6/21/2013	SHEET 2 OF 28	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



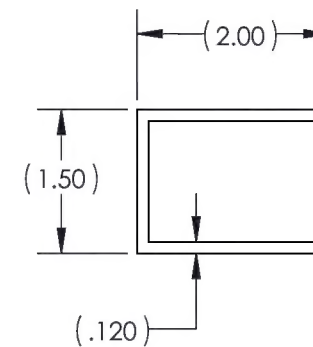
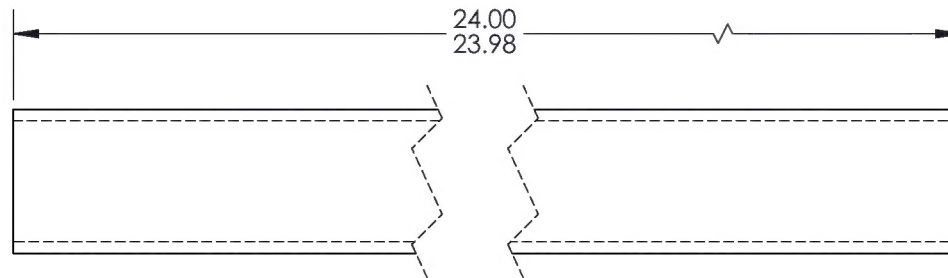
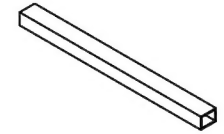
(-3)

SIDE RAIL

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-3	<b>REV</b> ?
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 3 OF 28


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



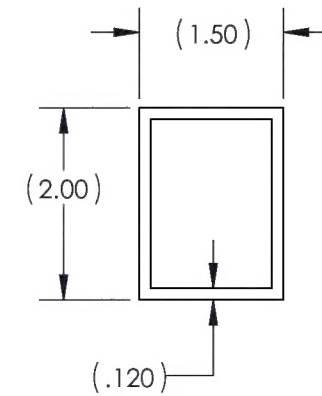
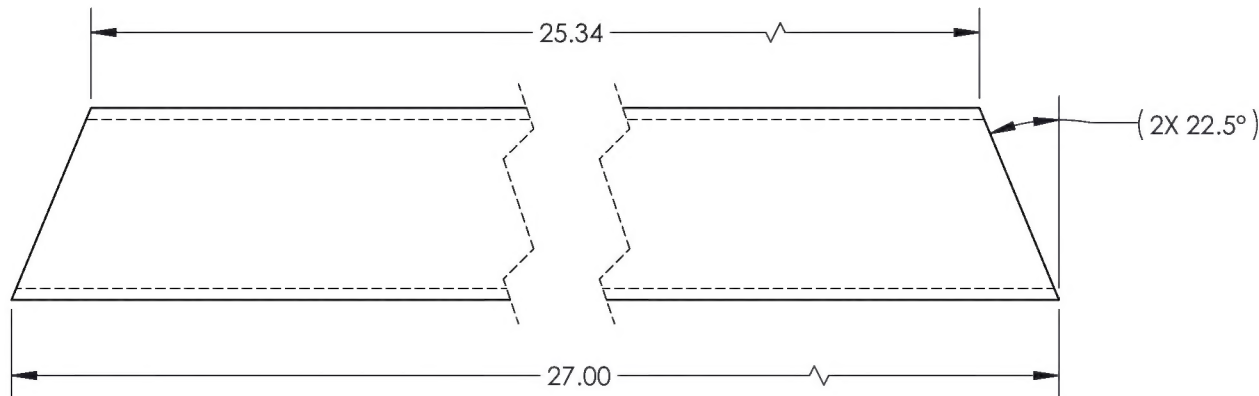
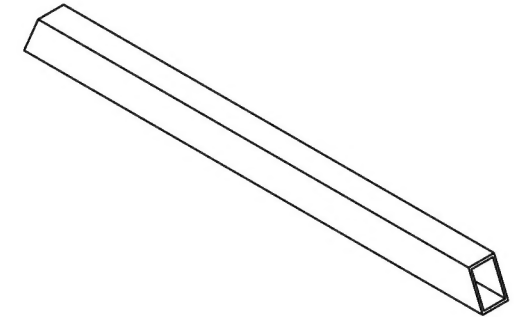
(-5)

CENTER RAIL

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-5</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET 4 OF 28</b>


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-7)

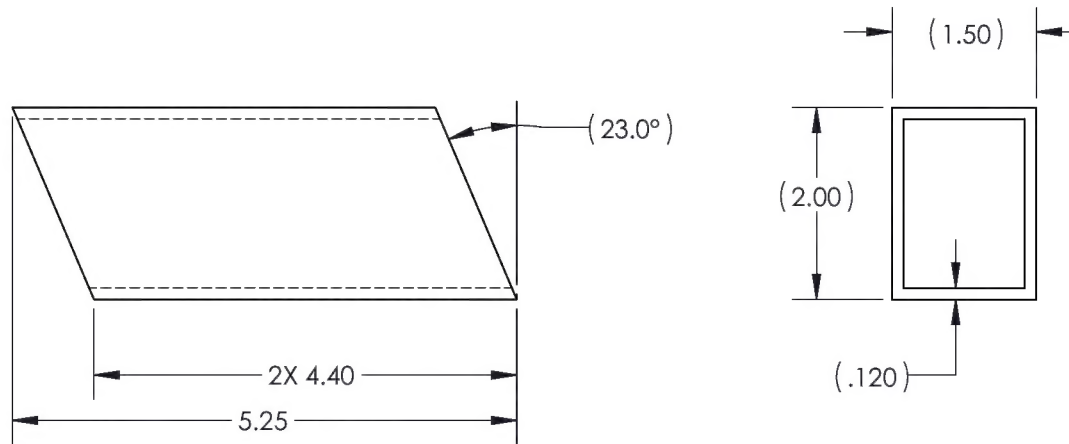
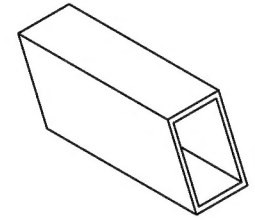
FRONT & BACK RAIL

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-7</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b>	<b>APPROVED</b> <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	<b>HEAT TREAT</b> SEE -1 WELDMENT
FRACTIONS ± 1/32 ANGLES ± 5°	<b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 5 OF 28</b>	




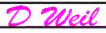
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



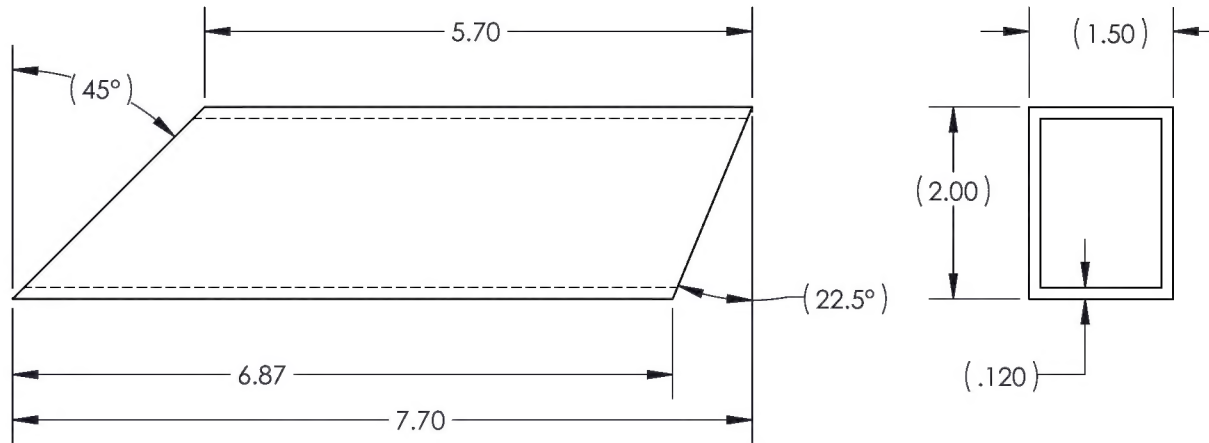
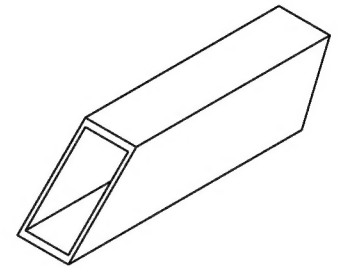
-9

ANGLED LEG

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-9</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b> 
<b>1. BREAK ALL SHARP EDGES .015 x 45°</b> <b>OR .015R</b> <b>2. DIMENSIONAL LIMITS APPLY AFTER</b> <b>PLATING</b>	<b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 6 OF 28</b>	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



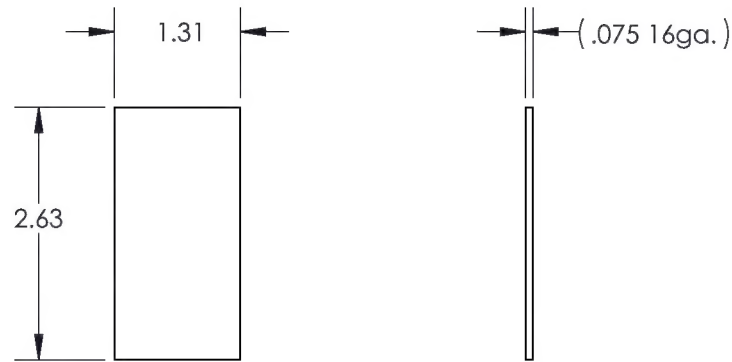
(-11)

HORIZONTAL LEG

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-11	<b>REV</b> ?
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i>
	<b>HEAT TREAT</b>
	<b>FINISH</b> SEE -1 WELDMENT
	<b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 7 OF 28</b>	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-13)

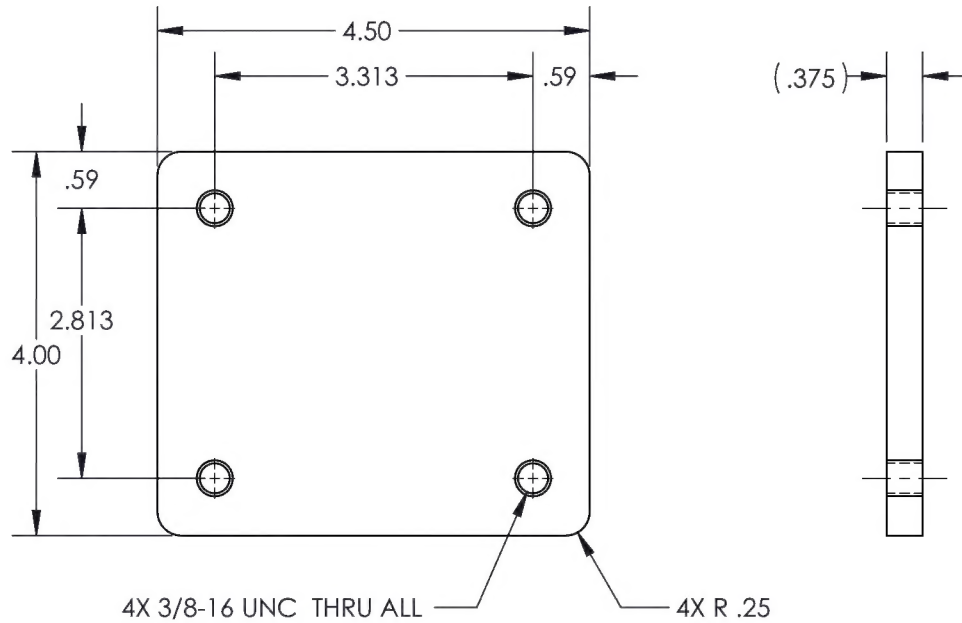
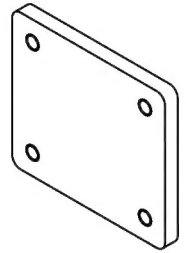
END CAP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-13</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> C.R. SHEET	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 8 OF 28



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



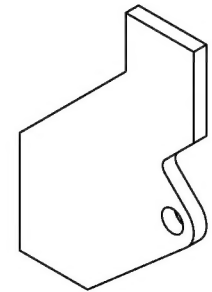
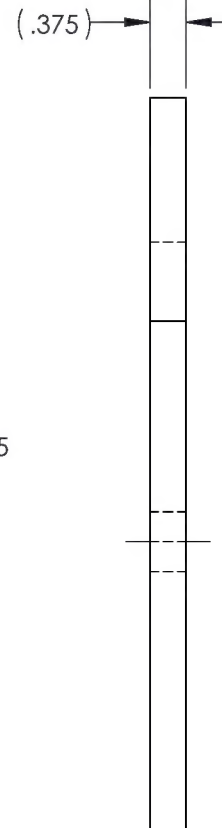
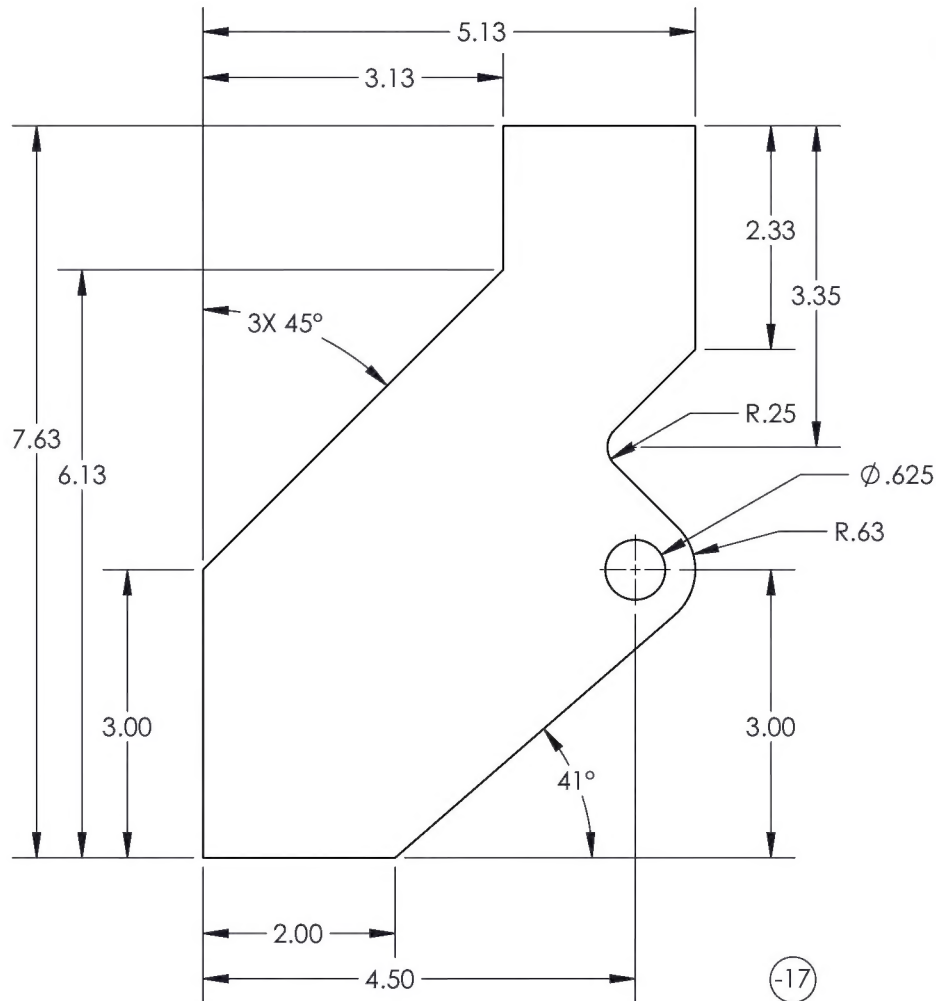
(-15)

WHEEL PLATE

<b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-15	<b>REV</b> ?
<b>MAT'L</b> A36 PLATE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 9 OF 28

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED

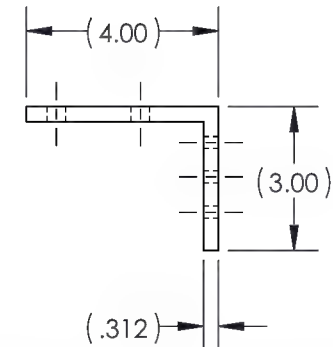
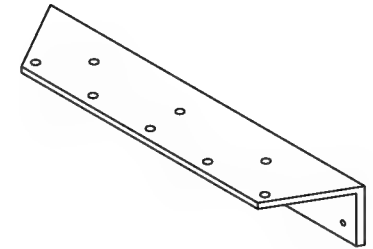
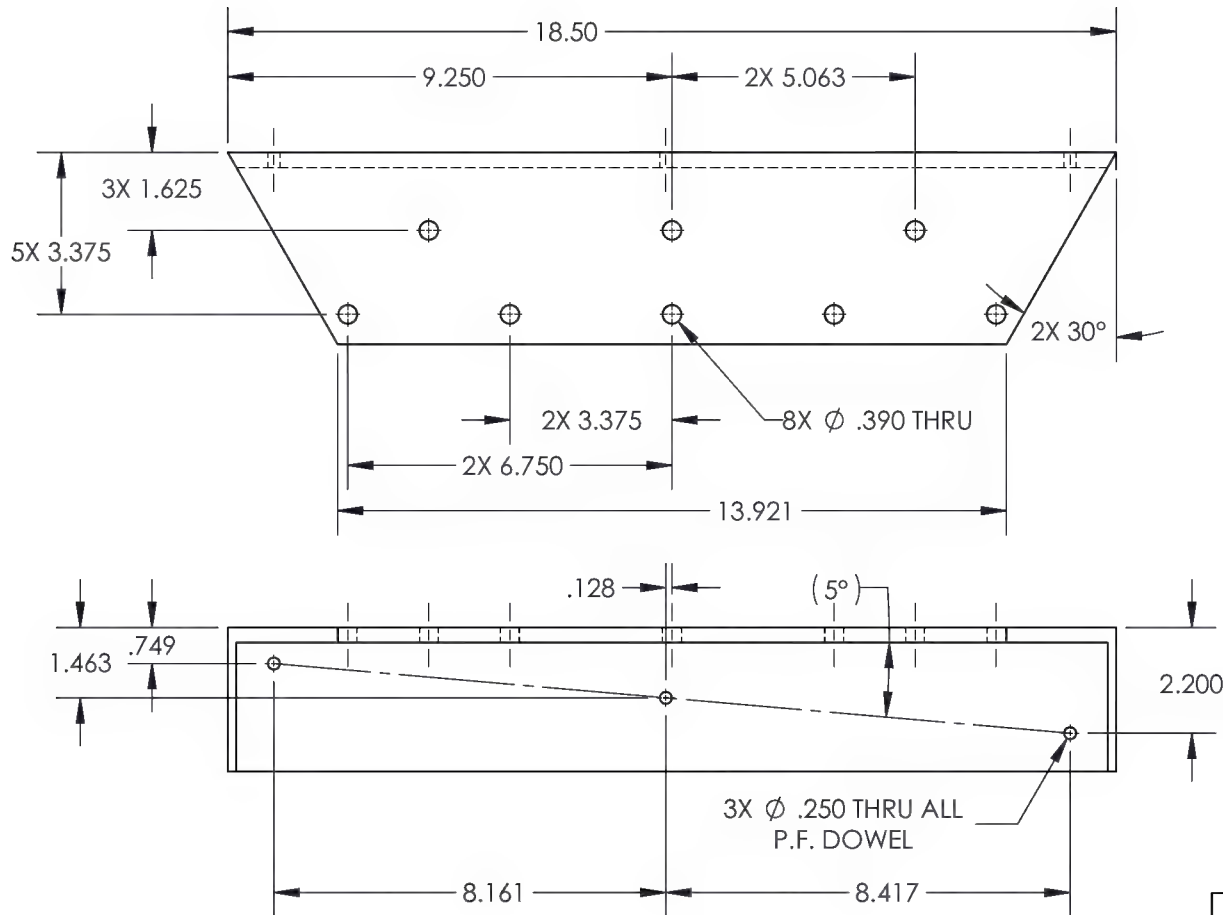


(-17)  
LIFTING BRACE

<b>RED BARN MACHINE</b>	
TITLE <b>AW139 MAIN GEARBOX TROLLEY</b>	
DWG NO. <b>RBW6305G19833-3G-17</b>	REV <b>?</b>
MAT'L A36 PLATE	DRAWN BY: <b>PERRITT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:2	DATE 6/21/2013
SHEET 10 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -19A & -19B HOLE SIZE FROM Ø.386(X7) TO Ø.390 (X8) PER G.E.	3/12/13	RJC	DW

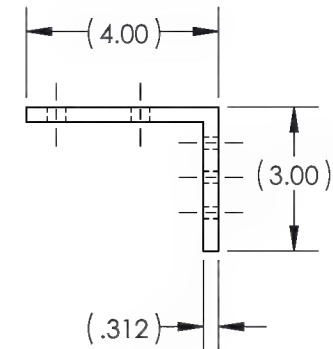
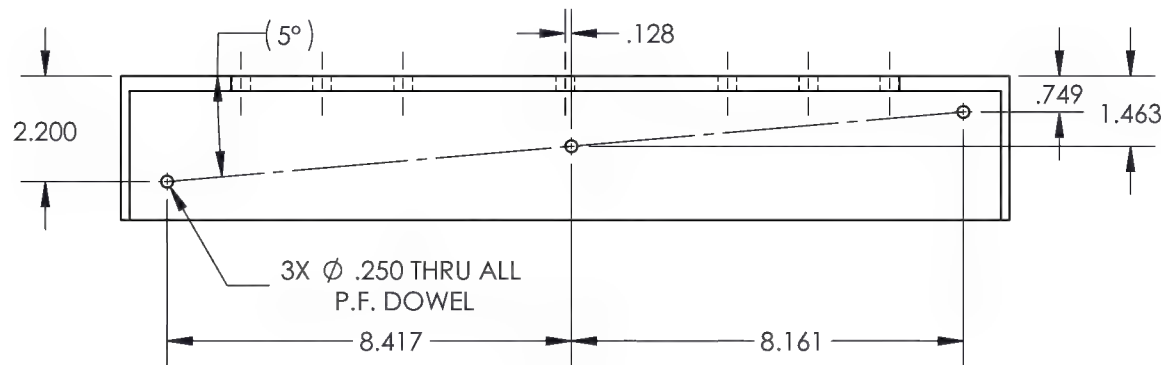
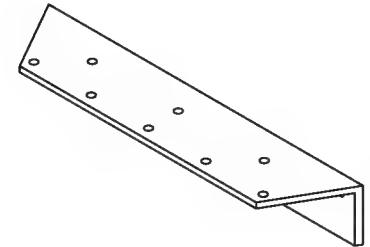
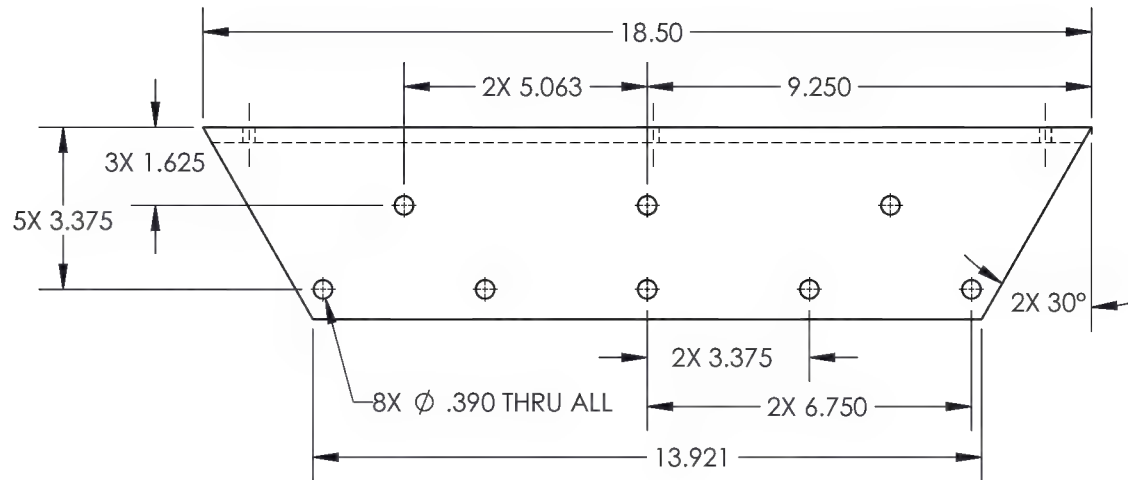


-19A  
FRONT PLATE MOUNT

<b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-19A</b>	<b>REV</b> <b>2</b>
<b>MAT'L</b> ANGLE BAR	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b>	<b>APPROVED</b> <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	<b>HEAT TREAT</b> SEE -1 WELDMENT
FRACTIONS ± 1/32 ANGLES ± 5°	<b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	<b>USED ON MODEL</b>
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>AW139</b>
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013
<b>SHEET 11 OF 28</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -19A & -19B HOLE SIZE FROM Ø.386(X7) TO Ø.390 (X8) PER G.E.	6/24/2013	RJC	DW



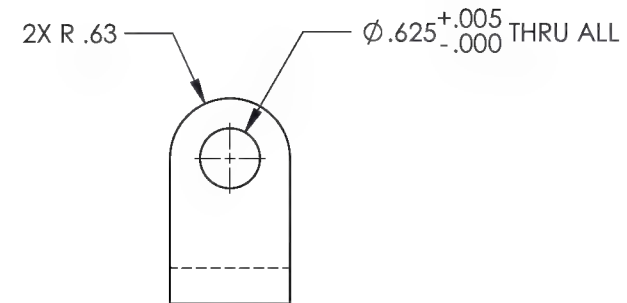
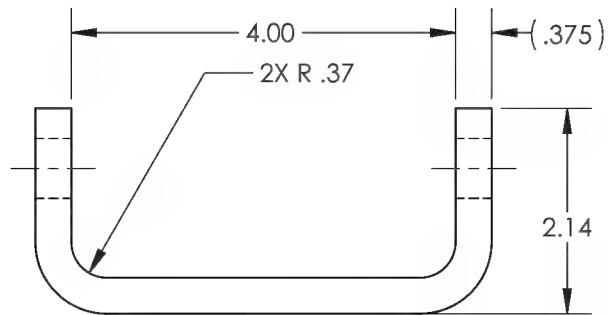
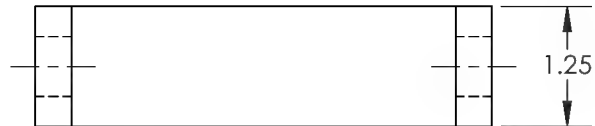
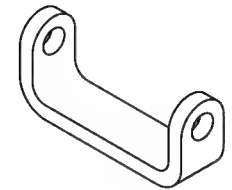
(-19B)

REAR PLATE MOUNT

<b>RED BARN MACHINE</b>	
TITLE <b>AW139 MAIN GEARBOX TROLLEY</b>	
DWG NO. <b>RBW6305G19833-3G-19B</b>	REV <b>2</b>
MAT'L ANGLE BAR	DRAWN BY: <b>PERRITT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:4	DATE 6/21/2013
SHEET 12 OF 28	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



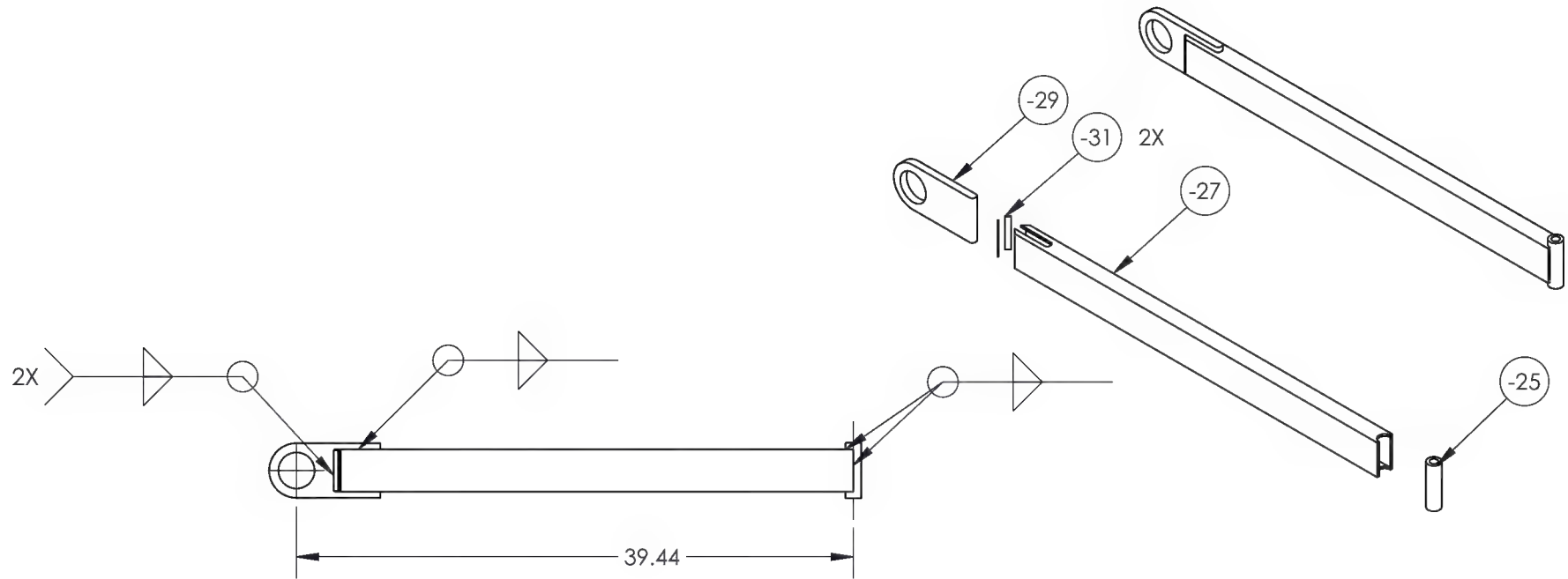
(-21)

TONGUE BRACKET

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-21</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> H.R. FLAT BAR	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 13 OF 28</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-23)

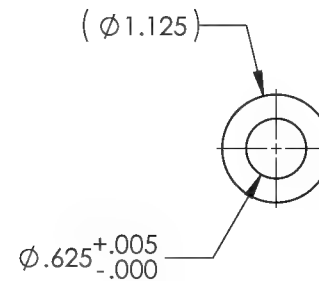
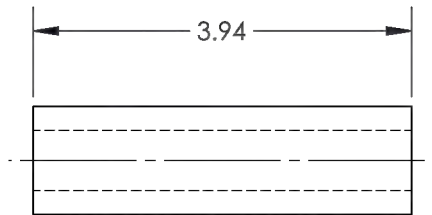
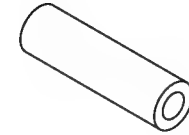
HANDLE WELDMENT

<b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-23	<b>REV</b> ?
<b>MAT'L</b>	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	<b>APPROVED</b> <i>D Weil</i>
.XXX ± .005	<b>HEAT TREAT</b>
.XX ± .01	<b>FINISH</b> POWDER COAT YELLOW
.X ± .1	<b>SPEC</b> FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	<b>USED ON MODEL</b>
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
<b>SCALE</b> 1:12	<b>DATE</b> 6/21/2013
<b>SHEET 14 OF 28</b>	




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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



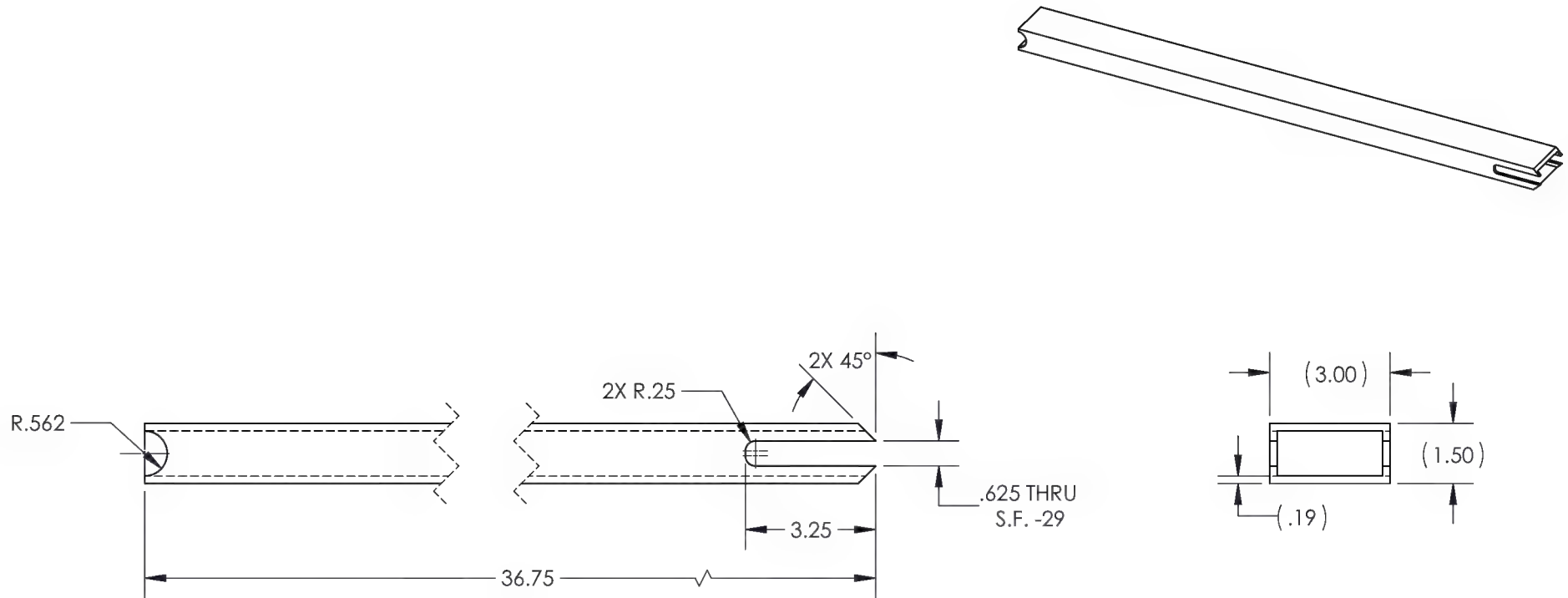
(-25)

PIVOT

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-25	<b>REV</b> ?
<b>MAT'L</b> CDS	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> FINISH SEE -23 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 15 OF 28</b>	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -27 DELETED S.F. -25 FROM R..562 THRU PER G.E.	6/24/2013	RJC	DW



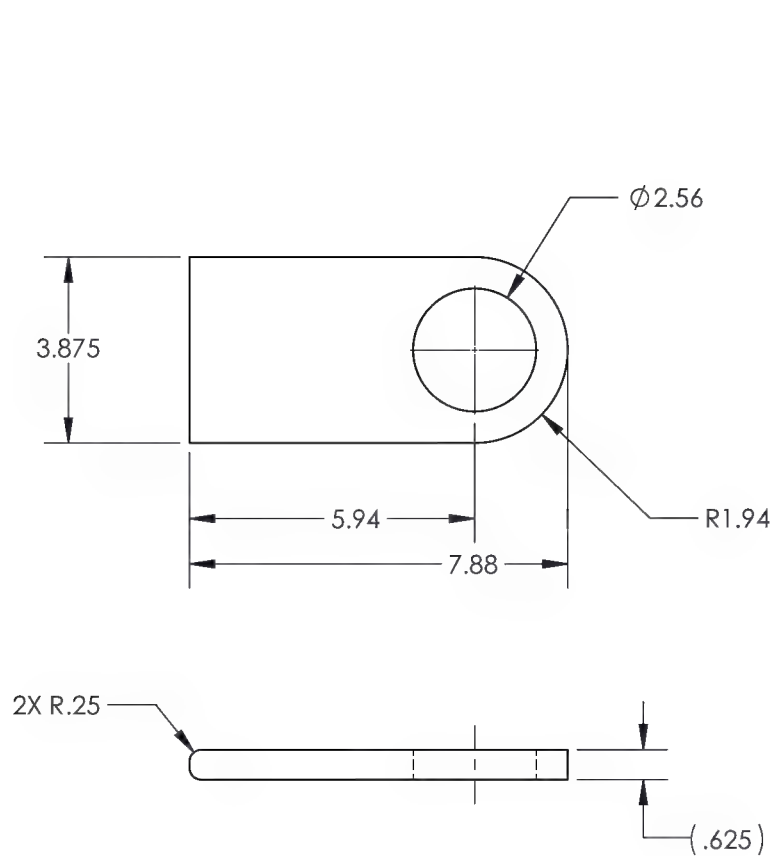
(-27)

TONGUE TUBE

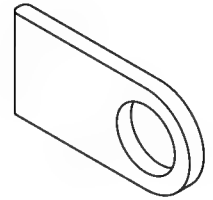
 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-27	<b>REV</b> 2
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> FINISH SEE -23 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013
<b>SHEET 16 OF 28</b>	


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REVISONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



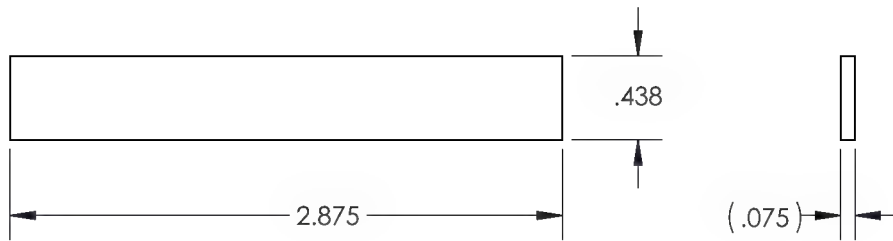
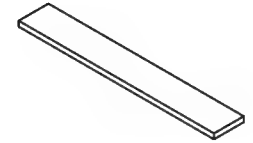
(-29)  
TONGUE PLATE



 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19822-3G-29</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -23 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013 <b>SHEET 17 OF 28</b>


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



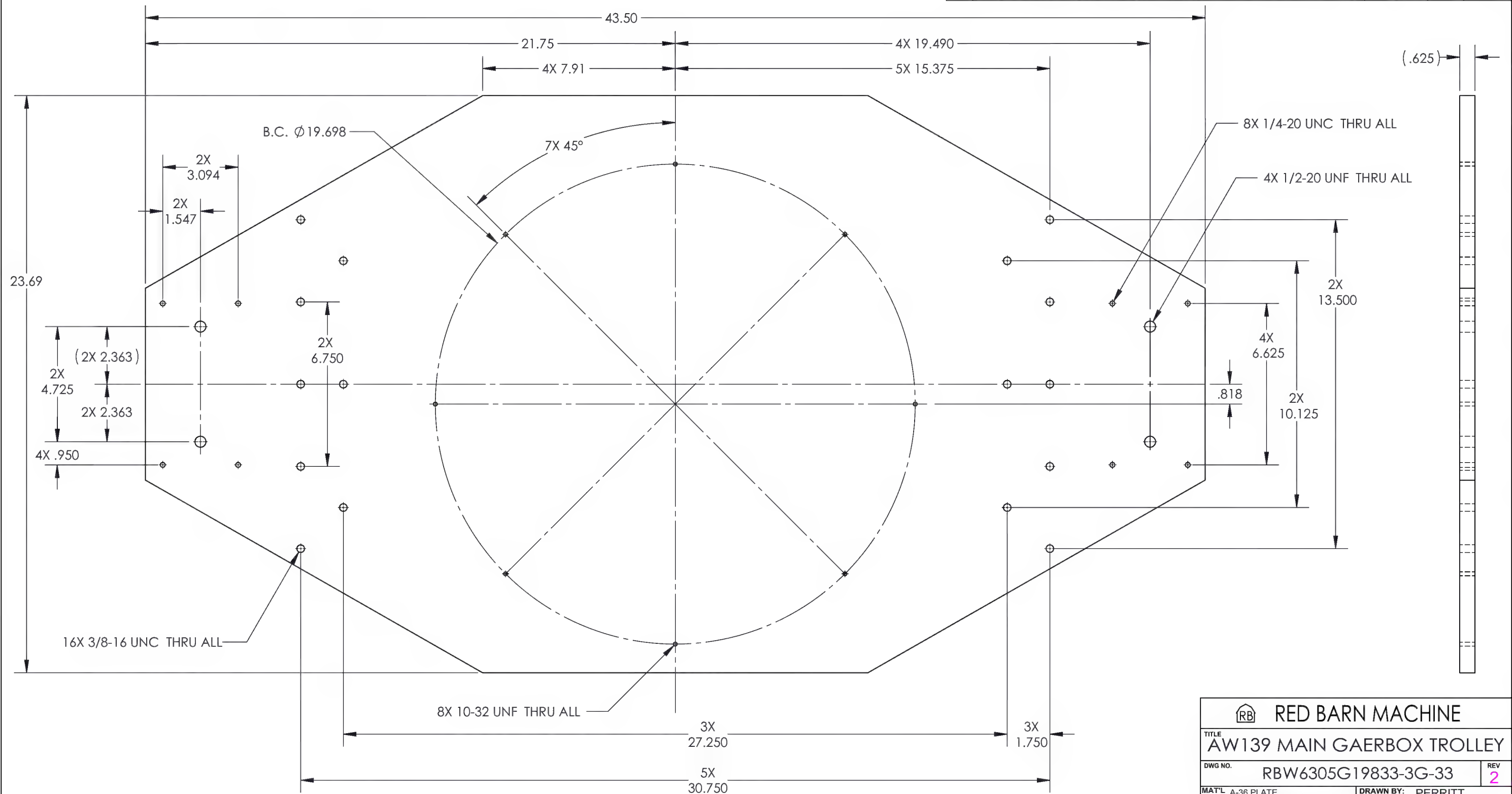
(-31)

END CAP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-31	<b>REV</b> ?
<b>MAT'L</b> C.R. SHEET	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -23 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 18 OF 28


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -33 3/8-16 UNC FROM (X14) TO (X16). DELETED Ø.375 (X2) CALLOUT PER G.E. CH'D FINISH FROM POWDER COAT GREEN PER G.E.	6/24/2013	RJC	DW
2	-33 CH'D BOLT CIRCLE FOR SUPPORT RING (-35) WAS CENTERED IS .818 DOWN. CH'D BOLT LOCATION FOR XMSN BLOCK (-37) WAS 2.370 IS 2.363 DOWN. WAS 19.540 IS 19.490, CH'D HOLE SPACING WAS 4.740 IS 4.725. REMOVED 1/4 DOWEL HOLES.	6/26/2013	CFS	DW



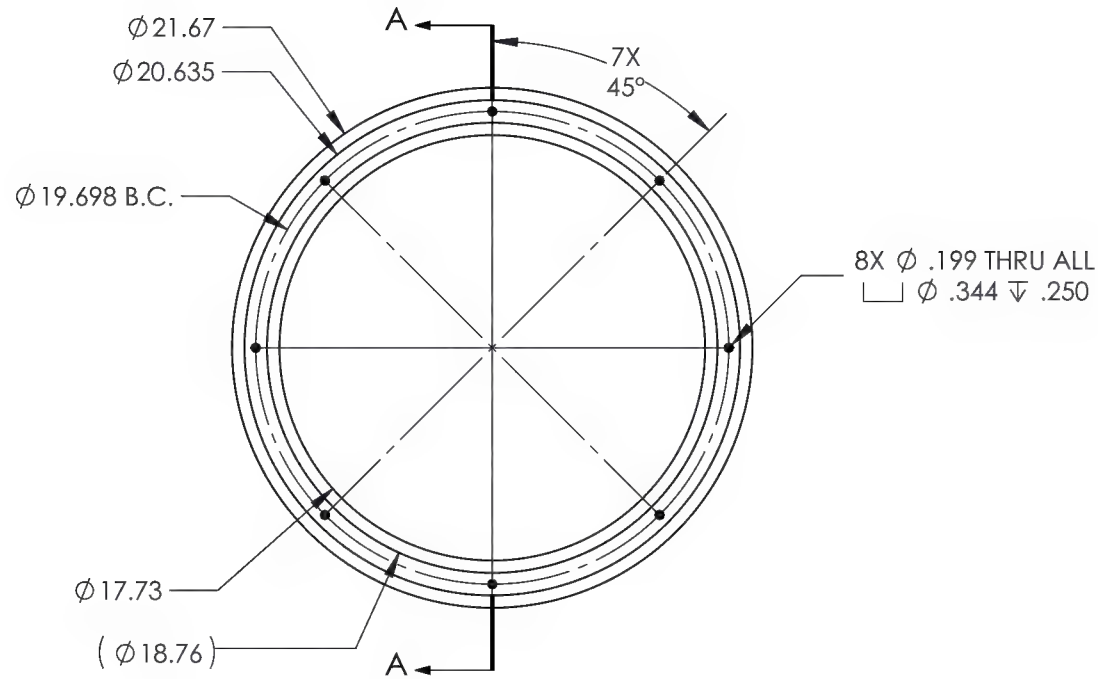
(-33)

TOP PLATE

		<h1>RED BARN MACHINE</h1>	
TITLE <b>AW139 MAIN GAERBOX TROLLEY</b>			
DWG NO. <b>RBW6305G19833-3G-33</b>		REV <b>2</b>	
MAT'L <b>A-36 PLATE</b>		DRAWN BY: <b>PERRITT</b>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weir</i>	
.XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ±.5° .X ± .1 OR ±.1		HEAT TREAT FINISH <b>POWDER COAT YELLOW</b>	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SPEC <b>FED #13538</b> USED ON MODEL <b>AW139</b>	
SCALE <b>1:4</b>		DATE <b>6/21/2013</b>	
		SHEET 19 OF 28	

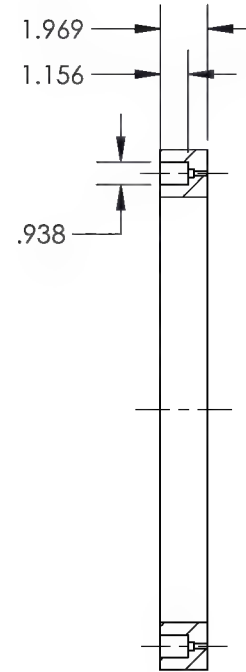
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



(-35)

SUPPORT RING



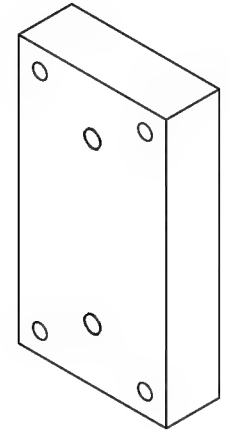
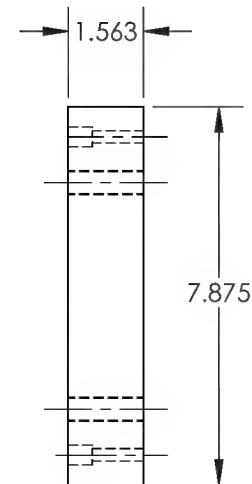
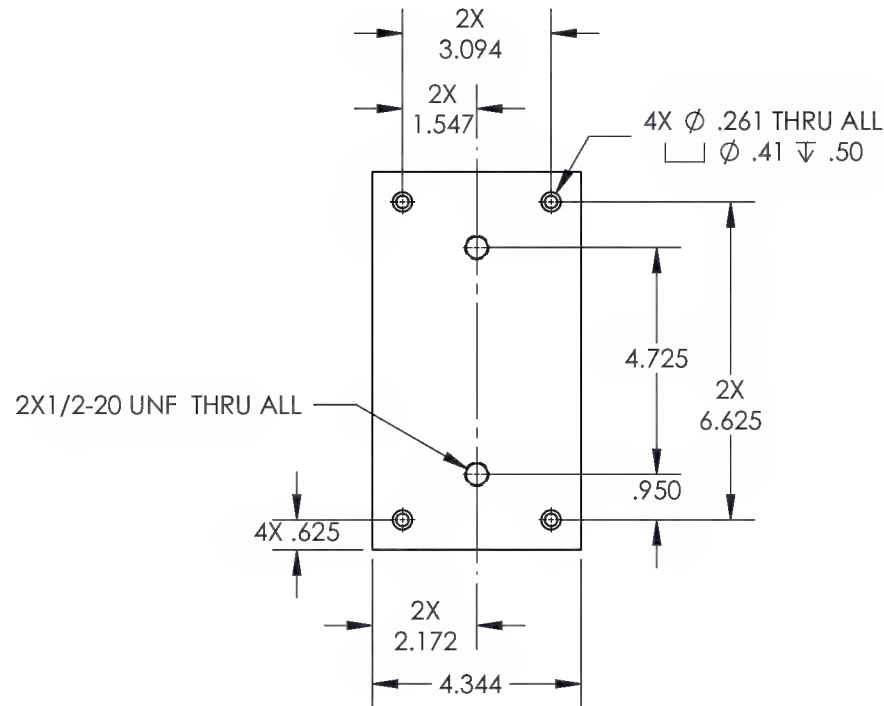
SECTION A-A

<b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-35</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> DELRIN	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX $\pm .005$ .XX $\pm .01$ .X $\pm .1$ FRACTIONS $\pm 1/32$ ANGLES $\pm 5^\circ$	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT FINISH</b> <b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:8	<b>DATE</b> 6/21/2013
<b>SHEET 20 OF 28</b>	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-37 CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES.	6/26/2013	CFS	



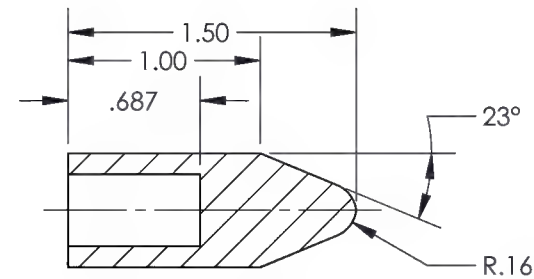
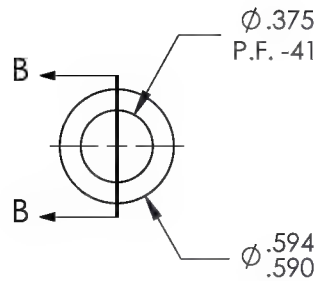
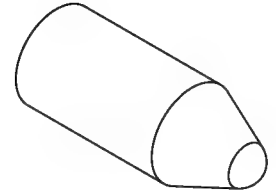
(-37)

XMSN BLOCK

<b>RED BARN MACHINE</b>	
TITLE <b>AW139 MAIN GEARBOX TROLLEY</b>	
DWG NO. <b>RBW6305G19833-3G-37</b>	REV <b>2</b>
MAT'L 6061 FLAT BAR	DRAWN BY: <b>PERRITT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH POWDER COAT YELLOW
.X $\pm .1$	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:4	DATE 6/21/2013
SHEET 21 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-39 CH'D LENGTH WAS 1.000 IS 1.50, CH'D SHAPE WAS ROUND IS BULLET.	6/26/2013	CFS	



SECTION B-B

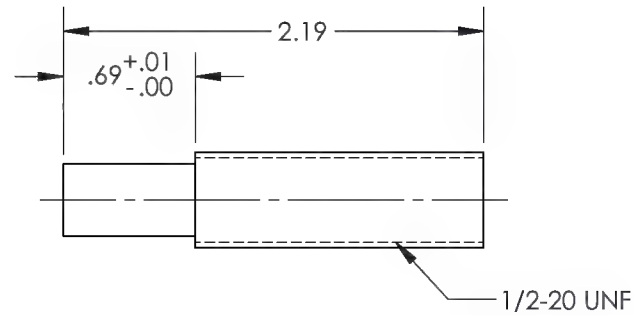
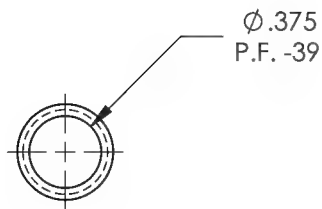
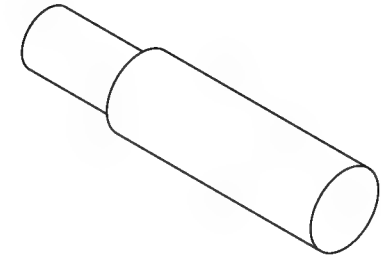
(-39)

PIN NOSE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-39	<b>REV</b> 2
<b>MAT'L</b> DELRIN	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX $\pm$ .005 .XX $\pm$ .01 .X $\pm$ .1 FRACTIONS $\pm$ 1/32 ANGLES $\pm$ 5°	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013
<b>SHEET 22 OF 28</b>	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



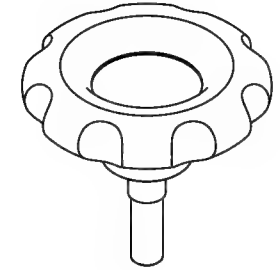
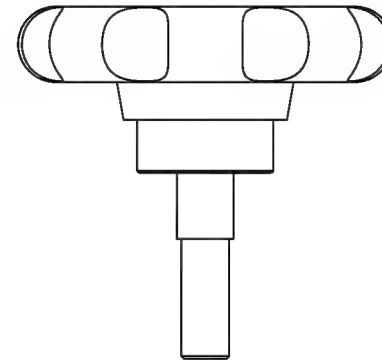
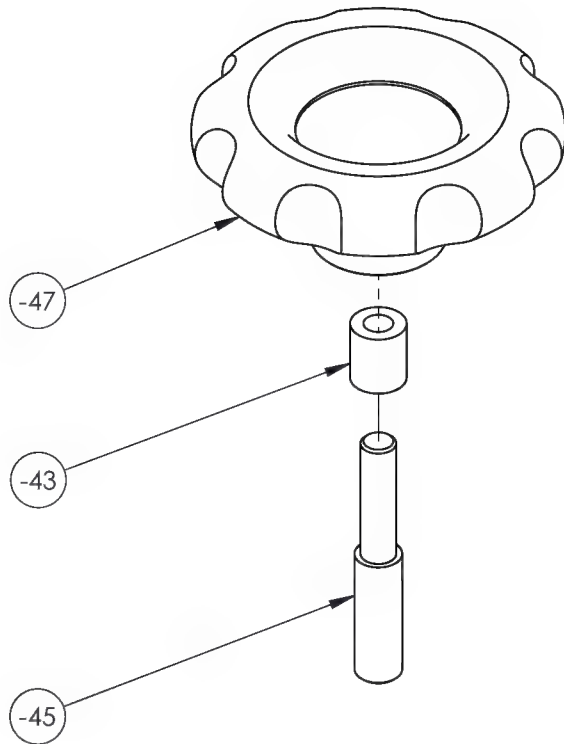
(-41)

PIN ALL THREAD

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-41	<b>REV</b> ?
<b>MAT'L</b> STEEL	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	<b>APPROVED</b> 
FRACTIONS ± 1/32 ANGLES ± 5°	<b>HEAT TREAT</b> FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013
<b>SHEET 23 OF 28</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-43 REMOVED SPACER, MADE -45 AND -47 INTO ASSEMBLY.	6/26/2013	CFS	



(42)

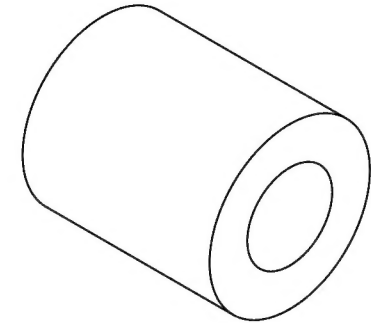
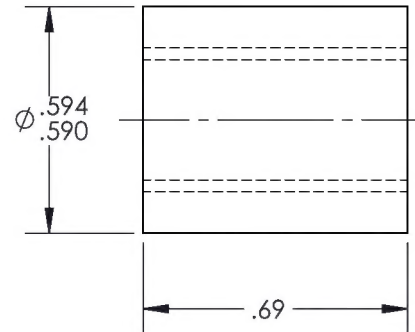
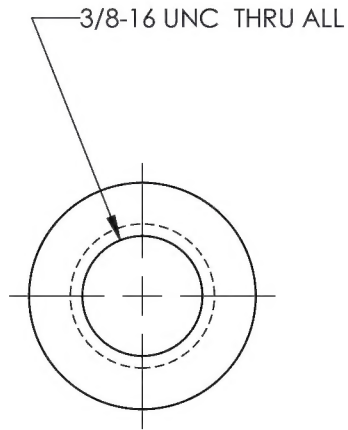
KNOB ASSEMBLY

NOTE  
1. USE APPROPRIATE ADHESIVE TO LOCK STUD -45 AND KNOB -47 TOGETHER AFTER THREADING SPACER -43 ONTO STUD -45.

 <b>RED BARN MACHINE</b>	
TITLE <b>AW139 MAIN GEARBOX TROLLEY</b>	
DWG NO. <b>RBW6305G19833-3G-42</b>	REV <b>2</b>
MAT'L	DRAWN BY: <b>SMITH</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>AW139</b>
SCALE 1:2	DATE 6/27/2013
SHEET 24 OF 28	


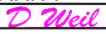
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED THREAD TO INSIDE	7/2/2013		



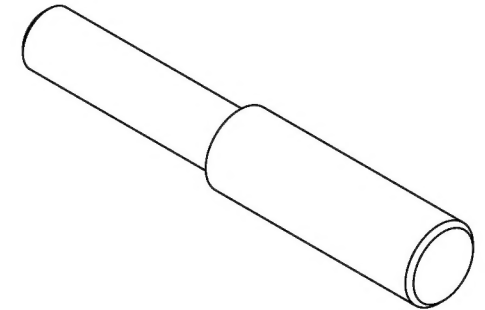
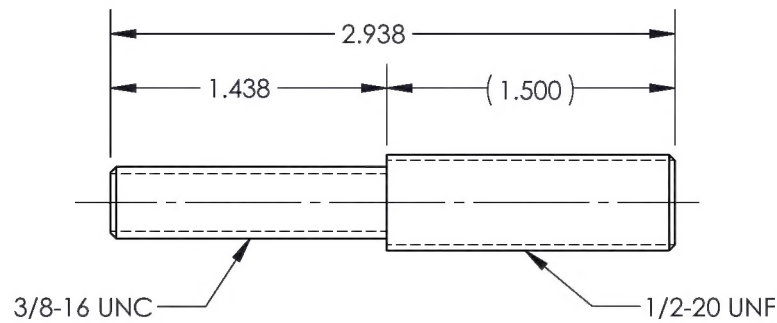
(-43)

HANDLE SPACER

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEAR BOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-43	<b>REV</b> 2
<b>MAT'L</b> DELRIN	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 2:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 25 OF 28



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-45 REMOVED Ø.375 S.F., EXTENDED 3/8-16 THREAD	6/26/2013	CFS	



(-45)

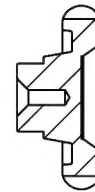
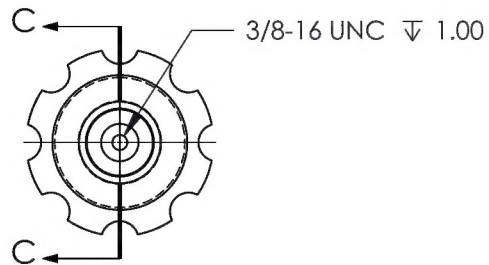
HANDLE ALL THREAD

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-45</b>	<b>REV</b> <b>2</b>
<b>MAT'L</b> PLAIN STEEL	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> <b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 26 OF 28



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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



SECTION C-C

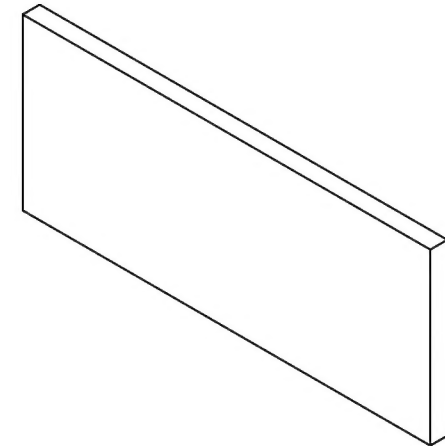
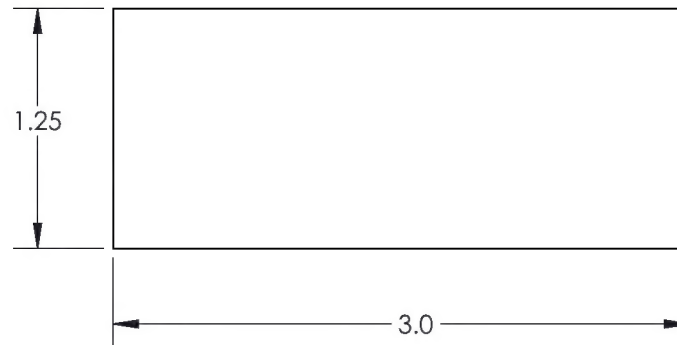
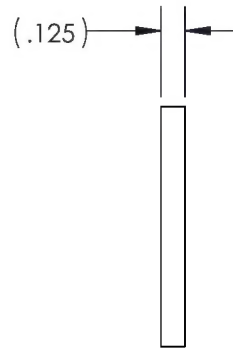
(-47)

KNOB

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-47	<b>REV</b> ?
<b>MAT'L</b> PHENOLIC	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW139
<b>SCALE</b> 1:4	<b>DATE</b> 6/24/2013 <b>SHEET</b> 27 OF 28


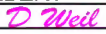
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED PART -67	7/1/2013	JAG	



(-67)

STOP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-67</b>	<b>REV</b> <b>2</b>
<b>MAT'L</b> STEEL	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX $\pm$ .005      FRACTIONS $\pm$ 1/32 .XX $\pm$ .01      ANGLES $\pm$ 5° .X $\pm$ .1	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:1	<b>DATE</b> 7/1/2013 <b>SHEET</b> 28 OF 28